DIGGING UP GRAVES OF ANCIENT DAYS

How Our Ghoulish Archaeologists Are Unearthing Those of Four Thousand Years Ago.

GREAT CEMETERY OF CHEOPS

Discoveries Made for Harvard College and the Boston Museum.

Caire, July 15, 1907.

IE most important archaelogical work new going on in Egypt is in the hands of the Americans. Our scientists are making explorations in Nubia, away Nile, and they are opening up and tombs in the desert near There is a rich Yankee, named dd Thebes. He has spent large sums kings who reigned over 4,000 years He recently unearthed the mum-of Queen Hatschepeset, which is on view in the museum at Cairo,

past year.

Right here, under the shadow of the pyramids, two American institutions have a large force of natives at work and have uncovered a cemetery of the time when the greatest of the pyramids was built. This cometery includes the tombs not only of the rich, but also of the poor, and the relies, statues and other things found in it enable one to reconstruct the lives of those who were buried here now more than 4.009 years ago.

The Cemetery of Cheops.
When I last visited Egypt, just after he assassination of President Garfield. he sands about the the pyramids were imost as smooth as those of the seahore. I galloped on my donkey overhem and had no idea that I was tamping down innumerable graves. I walked over the same ground yeserday, picking my way in and out brough a vast network of half-brokenown tombs, from which the sands had seen shoveled, and climbed across piles of sun-dried brick which were made been shoveled, and climbed across plies of sun-dried brick which were made by the Egyptians at the time old King Cheops lived and reigned. In one place I saw a gang of half-naked, brownskinned fellahs shoveling the earth into the cars in which it is carried far out in the desert, in order to unseth the tembs below.

n the tombs below, hen the work is in full play an ess chain of cars of sand moves as this cemetery. There is a sle track with turntables at each and the arrangements are such

he day, has charge of the work. Dr.
Science came to Egypt about six
ears ago at the head of the Hearst
xpedition. He worked for it several
ears and made valuable explorations
ar up the Nile. He discovered there

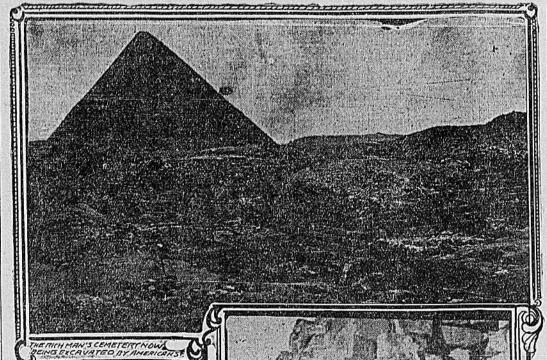
the pyramics, and, as it is now earried on, the museum gets all of the art ilscoveries, while Harvard receives everything found bearing upon his-tory and ethnology. It should be said that one-half of all that is uncarthed

The story of the allotment of the parchaeological territory about the Pyramids is interesting. The government was anxious to have the country excavated, and there were three nations ready to do the work. The three were Germany, Italy and the United States. Archaeologists representing each of these countries came here as its representatives, and the whole of the Gizch Pyramid field was turned over to them, with the understanding that Egypt was to have half of the discov-

SOUTH BOSTON, VA.

NONETTE

AMERICANS AT THE PYRAMIDS.



distance apart from the others. Each nation wished to do independent work, and the archaeologists finally agreed to divide the tract into three sections and cast lots for them. I am told that Mrs. Dr. Reisner held the straws. In the drawing the United States got the tract just north of the Great Pyramid, and Germany and Italy those to the south of it. Our tract was thought to be the best of all, and Uncle Sam's luck has been no better evidenced than right here. We are making more inds than both the other nations put together, and are bringing new life to the pages of history.

In the Descrt With an American Exca-

I went out to the Pyramids to-day and called upon the chief of the American excavation works. Dr. Reisner has built him a home under the shadow

of old Cheops.

He is beyond that greatest of the pyramids, with the sands reaching for miles away on the north, south and west of him. His house is built of stones which probably came from the pyramids. It is a long, one-story structure not over twelve for the beight. ture, not over twelve feet in height, but large enough to contain a labora-

this cemetery.

track with turntables and the arrangements are such the sand can be taken out at ato of half a ton per minute. For ag time seventy-two men were oyed, and the result is that some interesting historical material has a collected. About one-half of this aow here in the museum at Cairo i the other half has gone to the liversities of California and Harard.

Invariant College and Boston Museum.

The excavations which are now being made near the Great Pyramid are in the mad

Tather is now excavating.

During my stay we examined some photographs of Dr. Reisner's discoveries. One represented three statues of a well-to-do couple who lived here in those bygone ages. It was Teti and his wife. The faces were life-like and I doubt not Mr. and Mrs. Teti sat for them.

other half to the United States, Egypt. In 1882 I rode to them on a and observe the sweat was anxlous to have the country excavated, and there were three nations ready to do the work. The three were Germany, Italy and the United States. Archaeologists representing each of these countries came here as its representatives, and the whole of the Gizeh Pyramid field was turned over to them, with the understanding that Egypt was to have half of the discoveries.

Then the question came up as to how the field should be divided. As it was

gown, and just behind me sat a woman with a black veile fastened to her headdress by a brass pool. As we neared the pyramids we stopped at a cafe where they sold American drinks, and a little further on was a great hotel, containing a telephone, electric lights and all modern improvements.

Millions of Stone Blocks.

The Great Pyramid was composed of 2,200,000 separate blocks of stone. It covered thirteen acres, and still contains more than three million cubic yards of solid masonry, taking out the chambers within it. Its perpendicular height is now just about that of a forty-five-story flat, allowing ten feet to each story; it is within one hundred feet of the height of the Washington Monument, provided you do not count the aluminum tip of the latter.

These stones of which the pyramid is built are of different sizes. Some are as big as a flat-topped office desk and some are so high that you require two men to pull you onward as you climb from terrace to terrace. I am told that old Cheops weighs something like 5,000,000 tons; so much that if the blocks were tern apart and loaded on wagons it would take something like 10,000,000 horses, or more than half of all the horses in the United States, to drag it off to the sea.

For such an undertaking the stones would have to be broken to pieces. There are few of them which do not weight at least two tons, and some of the large blocks which cover the king's chamber inside the structure woigh sixty tons. As measured in climbing up it there are about 200 courses and the blocks vary in height from two to five feet. It is estimated that the Great Pyramid contains, all told, almost 96,000,000 oute feet of limestone. This is so much that if it that the Great Pyrainic contains, att told, almost 90,000,000 cubic feet of limestone. This is so much that if it could be split into flags, four inches thick, it would furnish enough to make a pavement two feet wide reaching over, sea and land clear around the globe.

A Quarry for Ages.

When Cheops completed this great structure he coated the outside with limestone and granite slabs. The sides were as smooth as glass; they met in a point at the top and the length of each side was eighteen feet longer than it is now. The pyramid was a great deal higher, and as the bright

U. S. A.

The outside coating has been long since forn away. Throughout the ages the people of the Nile Valley have been getting their hulding stone from it. Many of the mosques of Cairo

made lengthy visits to the pyramids of Egypt. In 1882 I rode to them on a ad observe the sweat rolling down and the passed over the same route on an electric drolley, paying 7 1-2 cents for the trip. The street cars to the pyramids begin at the end of the bridge, opposite Cairo, and go along the side of a wide avenue, which is shaded by acaration to the cars are open and one can look out over the Nile Valley as he goes. The tracks run along one of the main roads and we whitzed by carations of donkeys, loaded with all sorts of farm products, and by camels, ridden by gowned men, who bobbed up and down in the saddle as they went. There were men, women and children the same of the control of the same works will not to the carties of the control of th

pose to-day.

The Pyramid Plateau.

Leaving the Pyramid of Cheops I crossed over and took a look at the other two which form the rest of the great trio at Glzeh, and I have since been up to the site of old Memphis where are the Pyramids of Sakkara, eleven in number.

Along this plateau running up the Nile, are to be found the remains of

DIAMONDS Of Known Quality

 E^{very} Diamond in our stock is perfectly pure and flawless, mountings the most artistic, and our prices always The Lowest when QUALITY is considered.

All correspondence given careful atten-

GALT&BRO.

Established Over a Century Jewellers, Silversmiths, Stationers. 1107 Pennsylvania Avenue, Washington, D. C.

Cheops, and the cover to it has disappeared.

By going back through the hall one reaches another passageway, which slopes downward to the queen's chamber, which is much shaller than that of the king. Down below this reached by another passage connecting with that which I first entered, there is a subterranean chamber, which is far under the base of the pyramid itself. The whole structure is intensely interesting, and if it could be explored by diamond drills or in some other way, other chambers might possibly be found in the parts now looked upon as solid.

(Copyright, 1907, by Frank G, Carpenter.)

Scientific Plaything.

The paradoxical scientific plaything of Prof. L. R. Wilberforce has been entertaining British physicists. A helical spring is fixed to an unyielding support, and at its lower end it carries a weight, with four screws whose nuts cen be so adujsted that the spring vibrates up and down and twists on its vertical axis in approximately the same period. When the adjustment is made the energy of one motion is transferred to the other in a very singular, manner. If the spring be pulled down and released, it rapidly ascends and descends, at the same time beginning to oscillate like a balance wheel, the side turning increases as the up-and-down motion lessens, and then the latter ceases altogether. This is but momentary, lessens, and then the latter ceases altogether. This is but momentary, when a reverse action takes place. That is, the rotation gradually slows down and the vertical motion increases the two motions alternating in this courious way for helf an hour, and for more than two hours in one apparatus that has been tried.



SAVE MONEY and LABOR by using a McDOUGALL KITCHEN CABINET and a NEW PROCESS GAS RANGE. We are sole agents for both, and the prices are low, "quality considered."



We have too many GO-CARTS for the season, and are offering them at reduced prices to close them out. We are still headquarters for everything in FURNITURE AND FLOOR COVERINGS.

Wholesale distributors CO-LUMBIA GRAPHOPHONES and RECORDS.

Jones Bros. & Co. 1418-1420 E. Main.



El Maize (Old Corn Whiskey)... 2 80 Donald Kenny Malt Whiskey... 8 25 Blue Bldge (Va. Mountain)..... 4 00

The Phil. G. Kelly Co. Inc. Importers, Distillors Fine Liquors

MAIL ORDERS PROMPTLY FILLED.



Farmer, Contractor, Lumberman,

J. B. TRUEHART & CO., Richmond, V.

MASURY'S PAINTS

THE OLD ORIGINAL STANDARD.

Strictly Pure and Full Measure.

JOHN L. BRANCH & CO., - - Richmond, Va. B. P. VADEN, - - - - - Manchester, Va.

ORGANIZED 1862.

The Virginia Fire & Marine INSURANCE COMPANY, OF RICHMOND, VA.

Surplus to Policyholders, \$650,711.85 WM. H. PALMER, President.
E. B. ADDISON, Vice-President.
OSCAR D. PITTS, Treasurer.

The Superiority of the Goods We Sell

LUMSDEN'S WARES

C. LUMSDEN & SON,

We are crowded for room

and must get rid of our sum-

Runabouts,

Surries and

¶ Special attention given to repair work. Agents for Milburn and White Hickory

Bristow

and

Moore

SALESROOM:

1417 East Main Street.

Buggies,

Harness.

Farm Wagons.

Francione s Stag Hotel mer stock. We have a full line of

114 EAST BROAD STREET, RICHMOND, VA.

Restaurant Open Every Day in the Year.

The season's best at moderate prices. Rooms by the day or week, nicely furnished, and good service.



Diggs & Beadles,

The Basket Shop, 400 North 7th Street Phone 2748.



Old Dominion Willow and Rattan Works.

LUMBER Sash, Blinds, Joers, Maulaings, Large Stock. Low Prices, WOODWARD & SON, Richmond, Va 1600 East Franklin Street.

FLOOR PAINTS.

BEST READY - MIXED PAINTS, Waxene, Floor Wax, Brushes, &c.

1110 E. Main . . , RICHMOND, VA.

Tanner Paint and Oil Co.

And this has been a great LINONETTE year. Everywhere one meets the cool, comfortable and popular wash suits, skirts and shirtwaists made of Linonette, worn by ladies and children. The Patterns Are Exclusive. The Colors Are Fresh. The Quality Guaranteed. Don't let the season slip away without buying a supply from your dry goods store,

STEBBINS, LAWSON & SPRAGINS CO.,

Manufacturers' Agents,

Your Wardrobe Isn't Complete

Without Several Frocks of Linonette